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YOSHII TSUGUYASU**(54) HIGH SPEED HOT-DIPPING METHOD****(57) Abstract:**

PURPOSE: To shorten etching treating time and to enable manufacture at high speed at the time of executing plating after activating surface of a steel strip by etching with plasma or ion beam.

CONSTITUTION: Before executing plasma-etching 10 or beam-etching on the steel strip 1 in a vacuum chamber 8 connected with hot-dipping bath 11, the steel strip is heated in the same or a continuous vacuum chamber 8. By heating the steel strip 1 under vacuum atmosphere in advance to the etching, vaporizing material existing on surface of the steel strip 1 is removed and the surface layer to be etched, is reduced. In this result, the etching treating time is shortened and also, the plasma-etching device or the ion beam-etching device can be used with small-size and low output one, and the equipment cost can be reduced.

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